1 INTRODUCTION

1.1 INTRODUCTION

Thank you for purchasing this PreSonus Product. Your product was designed with you, the end user in mind.

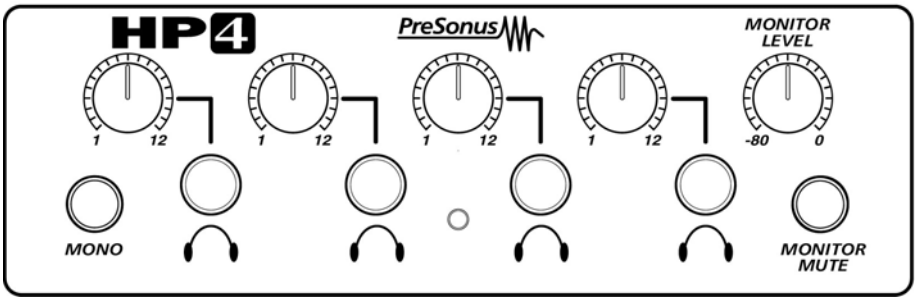
This device was built with state of the art components to deliver crystal clear audio for an infinite period of time. We believe this unit to be an exceptional sounding unit at an exceptional price. We hope you agree. Feel free to contact us at 1-800-750-0323 anytime for any reason. We value your comments and suggestions.

Please pay close attention to how you connect your PreSonus Product to your system. Improper grounding is the most common cause of noise problems in both live and studio applications. We suggest you look at the application guides which are part of this manual to insure optimum operation.

Good luck and enjoy your PreSonus Product!

4.1 HP4 FRONT PANEL BASIC LAYOUT

The front panel on the HP4 is divided into three sections. These are the potentiometers (knobs), headphone jacks, and buttons:



Headphone Volume

The HP4 has the potential to be very loud (it goes to 12). Please be careful when you first start passing sound through the unit. It is generally a good idea to start with the volume set at 1 and then bring the volume up.

Monitor Level

The monitor level knob corresponds to the output volume of the output on the back of the HP4. The level can be muted by pressing the Monitor Mute button.

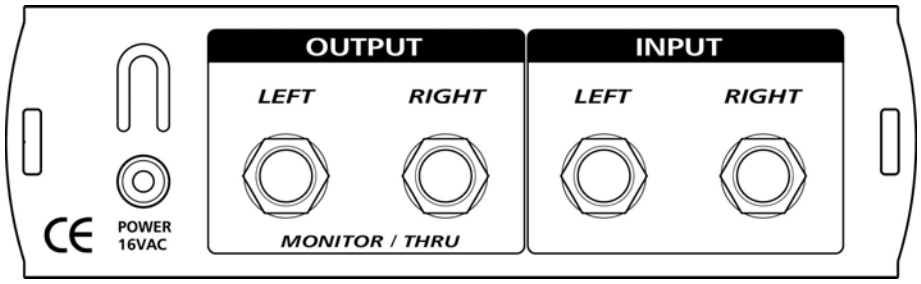
Mono

When the Mono button is pushed in, each input will be summed together on each output. For example, if you plug a CD player into the left input and press the mono button, the signal from the left input will be present in the left and right headphone and master output. When the Mono button is not pushed in, the left output will have the left input signal and vice-versa.

Monitor Mute

The monitor mute button is handy when you are only using the headphone outputs and don't want to use the Master Outputs. Also, it enables the user to hit one button rather than turn down the volume knob for the Monitor Level. A good use of this button would be for recording in front of a computer or DAW. When a mic is on, the Monitor Mute button would be pushed in to prevent feedback. When the recording/performance is over, the mic could be muted and then the Monitor Mute button would be disengaged.

4.1 BACK PANEL BASIC LAYOUT



Input

The input jack accepts balanced/unbalanced tip-sleeve or tip-ring-sleeve connectors. The input can handle up to +24dBu unbalanced levels.

Output

The output jack accepts (balanced/unbalanced) tip-sleeve or tip-ring-sleeve. The output will deliver up to +24dBu in signal level unbalanced. These outputs are designed to be connected to the power amp of your studio speakers, to the inputs of self amplified speakers, or to another HP4.

4.2 APPLICATION GUIDE

The HP4 can be hooked to another processor, such as the COMP16 or TubePre in a live or studio environment. We do recommend that whenever possible, balanced cables be used. An example of a balanced cable would be a TRS (Tip – Ring – Sleeve). A balanced cable is preferred because it generally has a greater level of noise rejection. In other words it is less susceptible to outside interference.

Use with a Console

The HP4 can be connected to the headphone output of a console/mixer to multiply the headphone outputs. Care should be taken that the headphone output level of the console/mixer is not set to high. Setting the output level to the HP4 too loud, could cause the unit to distort. The monitor outputs are designed to be connected to the power amp of your studio speakers, to the inputs of self amplified speakers, or to another HP4.

5.3 HP4 SPECIFICATIONS

Number of Channels	1 in 5 out
Dynamic Range	>115dB
Signal to Noise Ratio	>95dB
Headroom	+22dBu
Frequency Response	10Hz to 50kHz
Input Impedance	10kOhms
Master Output Impedance	51 Ohms
THD + Noise	<0.002%
Internal Operating Level	+0dBu = 0dB
Headphone Output Power	150mW
Input Connectors	1/4”, Tip Ring Sleeve
Master Output Connectors	1/4”, Tip Ring Sleeve
Power Supply	External, Linear Supply
Power Requirements	16VAC, 1000mA, 20 Watts
Weight	4 lbs.
Size	5.5”X5.5”X1.75”

PreSonus Limited Warranty

PreSonus Audio Electronics Inc. warrants this product to be free of defects in material and workmanship for a period of one year from the date of original retail purchase. This warranty is enforceable only by the original retail purchaser. To be protected by this warranty, the purchaser must complete and return the enclosed warranty card within 14 days of purchase. During the warranty period PreSonus shall, at its sole and absolute option, either repair or replace, free of charge, any product that proves to be defective on inspection by PreSonus or its **authorized service representative**. To obtain warranty service, the purchaser must first call or write PreSonus at the address and telephone number printed below to obtain a Return Authorization Number and instructions of where to return the unit for service. All inquiries must be accompanied by a description of the problem. All authorized returns must be sent to the PreSonus repair facility postage prepaid, insured and properly packaged. PreSonus reserves the right to update any unit returned for repair. PreSonus reserves the right to change or improve the design of the product at any time without prior notice. This warranty does not cover claims for damage due to abuse, neglect, alteration or attempted repair by unauthorized personnel, and is limited to failures arising during normal use that are due to defects in material or workmanship in the product. Any implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. In no event will PreSonus be liable for incidental, consequential or other damages resulting from the breach of any express or implied warranty, including , among other things, damage to property, damage based on inconvenience or on loss of use of the product, and, to the extent permitted by law, damages for personal injury. Some states do not allow the exclusion of limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary form state to state. This warranty only applies to products sold and used in the United States of America. For warranty information in all other countries please refer to your local distributor.

PreSonus Audio Electronics, Inc.
7257 Florida Blvd.
Baton Rouge, LA 70806
(225) 216-7887

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